



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 117145

TO: David Lukton
Location:
Art Unit: 1653
March 17, 2004

3576

Case Serial Number: 10008244

From: P. Sheppard
Location: Remsen Building
Phone: (571) 272-2529

sheppard@uspto.gov

Search Notes

SEARCH REQUEST FORM
(STIC)

Access DB# 111145

Requestor's Name: David Lukton Examiner number: 71263 Date: 3/17/04

Art Unit: 1653 Phone number: 571-272-0952 Serial Number:
10-008,244

Mail Box: 3-C-70 Examiner Rm: 3-B-75 Results format: paper

Title of application: STAT Modulators

Applicants: HUANG, ALAN; LIU, JIWEN; MEDINA, JULIO; WANG, XUEMEI; XU, FENG; ZHU, LIUSHENG

Earliest Priority Date: 11/8/00

Applicants are claiming the compounds on the attached sheet

R₁ = anything

R₂ = anything

X = -O- or -C H₂-

Z = -O- or -C H₂-

Y is - (CH₂)_n-CO- or -CH₂=CH₂-CO-

[wherein "n" is an integer of 0 - 3]

R₃ = anything

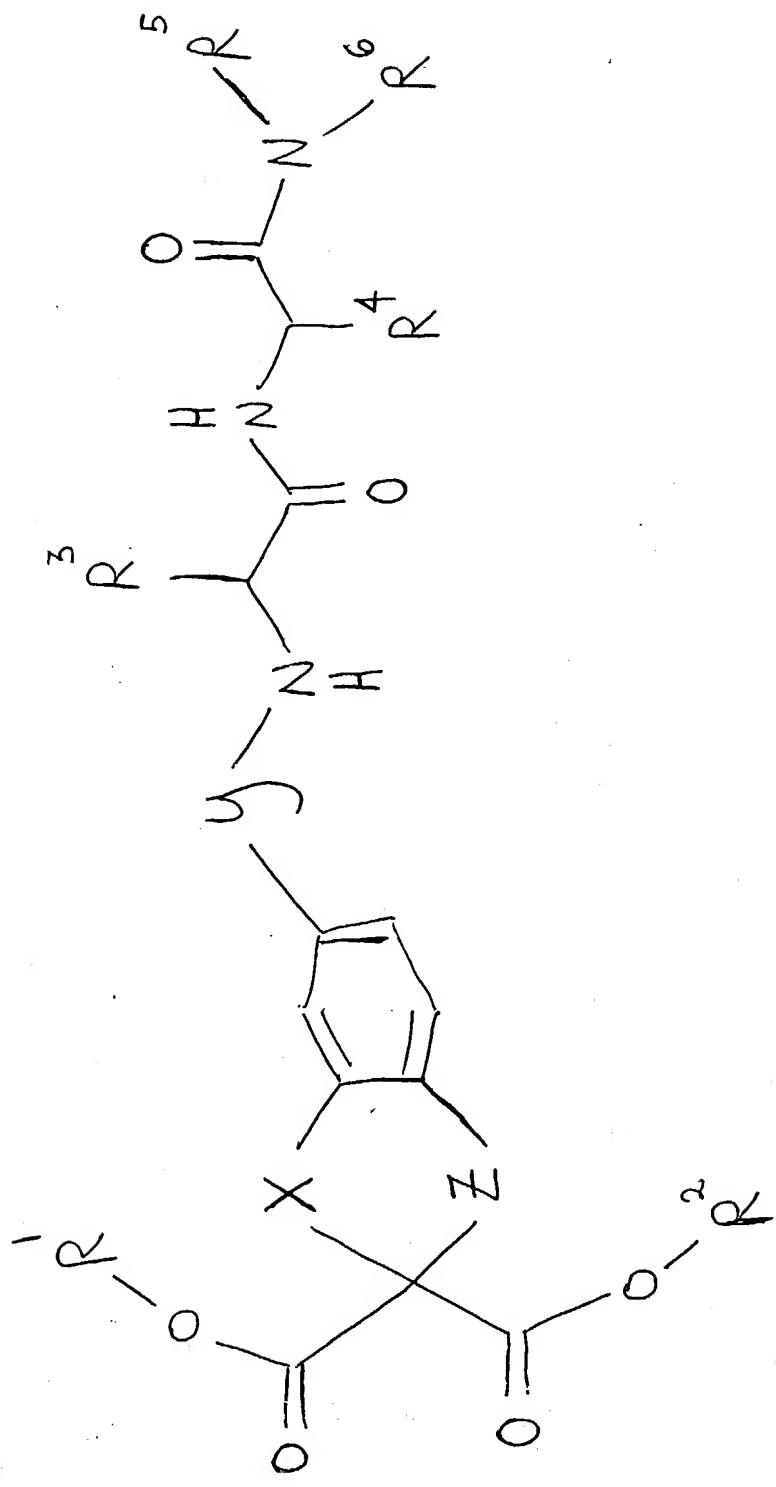
R₄ = anything

R₅ = hydrogen or aryl or heteroaryl or arylalkyl or heteroaryl-alkyl

R₆ = aryl or heteroaryl or arylalkyl or heteroaryl-alkyl

| STAFF USE ONLY | | Type of Search | Vendors and cost where applicable |
|------------------------------|--|-----------------|-----------------------------------|
| Searcher: | | NA Sequence (#) | STN |
| Searcher Phone #: | | AA Sequence (#) | Dialog |
| Searcher Location: | | Structure (#) | Questel/Orbit |
| Date Searcher Picked Up: | | Bibliographic | Dr. Link |
| Date Completed: | | Litigation | Lexis/Nexis |
| Searcher Prep & Review Time: | | Fulltext | Sequence Systems |
| Clerical Prep Time: | | Patent Family | WWW/Internet |
| Online Time: | | Other | Other (specify) |

10/008, 244



=> fil hcaplus
FILE 'HCAPLUS' ENTERED AT 17:38:53 ON 17 MAR 2004
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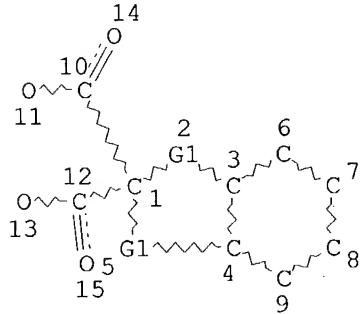
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FILE COVERS 1907 - 17 Mar 2004 VOL 140 ISS 12
FILE LAST UPDATED: 16 Mar 2004 (20040316/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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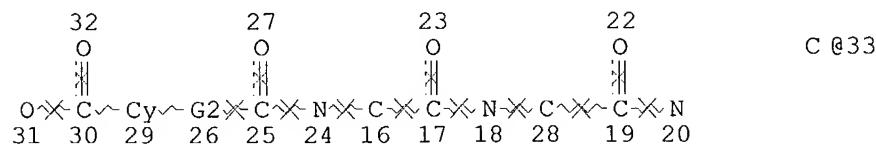
=> d stat que 144
L33 STR



VAR G1=O/C
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 15

STEREO ATTRIBUTES: NONE
L35 1081 SEA FILE=REGISTRY SSS FUL L33
L41 STR



REP G2=(0-3) 33

NODE ATTRIBUTES:

NSPEC IS RC AT 16
 NSPEC IS RC AT 17
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 NSPEC IS RC AT 19
 NSPEC IS RC AT 20
 NSPEC IS RC AT 24
 NSPEC IS RC AT 25
 NSPEC IS RC AT 28
 NSPEC IS RC AT 30
 NSPEC IS RC AT 31
 NSPEC IS RC AT 33
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 17

STEREO ATTRIBUTES: NONE

L43 39 SEA FILE=REGISTRY SUB=L35 SSS FUL L41
 L44 1 SEA FILE=HCAPLUS ABB=ON PLU=ON L43

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=> d ibib abs 144 1
 1 ANSWERS ARE AVAILABLE. SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET SIZE
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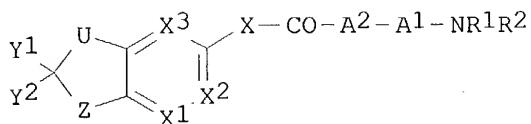
=> d ibib abs hitrn 144 1

L44 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2002:368261 HCAPLUS
 DOCUMENT NUMBER: 136:370001
 TITLE: Preparation of peptides as STAT modulators
 INVENTOR(S): Huang, Alan; Liu, Jiwen; Medina, Julio; Wang, Xuemei;
 Xu, Feng; Zhu, Liusheng
 PATENT ASSIGNEE(S): Tularik Inc., USA
 SOURCE: PCT Int. Appl., 78 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

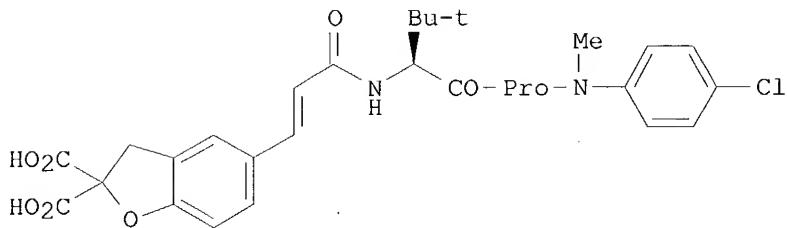
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-------------------|----------|
| WO 2002038107 | A2 | 20020516 | WO 2001-US50760 | 20011108 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| US 2002151504 | A1 | 20021017 | US 2001-8244 | 20011107 |
| AU 2002031325 | A5 | 20020521 | AU 2002-31325 | 20011108 |
| PRIORITY APPLN. INFO.: | | | US 2000-246876P P | 20001108 |
| | | | WO 2001-US50760 W | 20011108 |

OTHER SOURCE(S):
GI

MARPAT 136:370001



I



II

AB Peptide derivs. I [R1, R2 = H, (C1-C8)alkyl, (C1-C8)heteroalkyl, aryl, heteroaryl, aryl(C1-C8)alkyl, aryl(C1-C8)heteroalkyl, heteroaryl(C1-C8)alkyl, heteroaryl(C1-C8)heteroalkyl (with provisos); A1, A2 are L- or D-.alpha.-amino acid fragments, including N-alkyl derivs.; X is a bond or (C1-C4) (un)satd. (hetero)alkylene; X1, X2, X3 = N, CH or substituted methylenide; U or Z is a single bond, CH2, CH(OH), CO, CH2O, CH2CH2, CH2CO, O, S, SCH2, NH, NHCH2 or substituted imino or iminomethylene; Y1, Y2 = CO2H or ester or may join together to form a 5-, 6-, 7- or 8-membered heterocyclic ring] and compns. contg. them were prep'd. for the inhibition or treatment of conditions or disorders modulated by STAT transcription factors, particularly STAT4 and STAT6. Addnl., the compds. are useful for the diagnosis of conditions dependent on STAT signaling. Thus, compd. II was prep'd. by a multistep procedure using tert-Bu Me bromomalonate, 2-(chloromethyl)-4-bromophenol, acrylic acid, 4-chloroaniline, Boc-L-proline, (Boc = tert-butoxycarbonyl), and Boc-L-tert-butylglycine as reactants. Several compds. I had IC50 values < 50 .mu.M for inhibition of STAT6.

IT 422570-29-4P 422570-30-7P 422570-32-9P
 422570-33-0P 422570-34-1P 422570-35-2P
 422570-36-3P 422570-37-4P 422570-38-5P
 422570-39-6P 422570-40-9P 422570-41-0P
 422570-42-1P 422570-43-2P 422570-44-3P
 422570-45-4P 422570-46-5P 422570-47-6P
 422570-48-7P 422570-49-8P 422570-50-1P
 422570-51-2P 422570-52-3P 422570-53-4P
 422570-54-5P 422570-55-6P 422570-56-7P
 422570-57-8P 422570-58-9P 422570-59-0P
 422570-60-3P 422570-61-4P 422570-62-5P
 422570-63-6P 422570-64-7P 422570-65-8P

RL: DGN (Diagnostic use); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of peptides as STAT modulators)

IT 422570-71-6P 422570-80-7P 422570-91-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of peptides as STAT modulators)

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=> fil caold
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FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

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